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AUTHOR	Bochinski, Julianne Blair
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ABSTRACT

Science fairs have become an important key to gathering valuable science experience while pursuing independent projects. This book serves as a guide to every aspect of science fairs and science fair projects. It provides information on finding suitable topics, researching them properly, developing experiments, and giving meaning to data results. It also provides guidelines and suggestions for an attractive display together with tips for presenting projects to a panel of judges. Part I, A Complete Guide to Science Fair Projects, includes the following chapters: (1) "Science Fairs and Science Fair Projects"; (2) "Getting Started"; (3) "Conducting an Experiment"; (4) "Organizing and Presenting Data"; (5) "The Display"; (6) "At the Fair"; and (7) "Completing an Award-Winning Research Project". Part II outlines 50 award-winning science fair projects that provide good examples of the methodology behind the scientific method. The outlines demonstrate a range of skill and technical levels, from those used in simple projects to those used in sophisticated projects that have competed at the International Science and Engineering Fair. Appendices include the following: 400 ideas for science fair project topics; U.S. scientific supply companies; state, regional, and foreign science and engineering fairs; and alternative science project competitions. (JRH)

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